

0280

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OIPE

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PATENT APPLICATION: US/09/685,296

DATE: 10/20/2000

TIME: 11:13:38

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3 <110> APPLICANT: Randall, Douglas D.
4 Johnston, Mark L.
5 Miernyk, Jan A.
6 Luethy, Michael H.
7 Mooney, Brian P.
9 <120> TITLE OF INVENTION: USE OF DNA ENCODING PLASTID PYRUVATE DEHYDROGENASE AND
10 BRANCHED CHAIN OXOACID DEHYDROGENASE COMPONENTS TO
11 ENHANCE POLYHYDROXYALKANOATE BIOSYNTHESIS IN PLANTS
13 <130> FILE REFERENCE: UMO 1482
C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/685,296
C--> 16 <141> CURRENT FILING DATE: 2000-10-10
18 <150> PRIOR APPLICATION NUMBER: 60/051,291
19 <151> PRIOR FILING DATE: 1997-06-30
21 <150> PRIOR APPLICATION NUMBER: 60/055,255
22 <151> PRIOR FILING DATE: 1997-08-01
24 <150> PRIOR APPLICATION NUMBER: 60/076,544
25 <151> PRIOR FILING DATE: 1998-03-02
27 <160> NUMBER OF SEQ ID NOS: 54
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80 Asn His Ser Asn Ala Thr Arg Arg Ser Pro Val Val Ser Val Gln Glu
81 50 55 60
83 Val Val Lys Glu Lys Gln Ser Thr Asn Asn Thr Ser Leu Leu Ile Thr
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86 Lys Glu Glu Gly Leu Glu Leu Tyr Glu Asp Met Ile Leu Gly Arg Ser
87 85 90 95
89 Phe Glu Asp Met Cys Ala Gln Met Tyr Tyr Arg Gly Lys Met Phe Gly
90 100 105 110
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101 Leu Phe Gly Lys Val Thr Gly Cys Cys Arg Gly Gln Gly Gly Ser Met
102 165 170 175
104 His Met Phe Ser Lys Glu His Asn Met Leu Gly Gly Phe Ala Phe Ile
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107 Gly Glu Gly Ile Pro Val Ala Thr Gly Ala Ala Phe Ser Ser Lys Tyr
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110 Arg Arg Glu Val Leu Lys Gln Asp Cys Asp Asp Val Thr Val Ala Phe
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123 275 280 285
125 Gly Met Asp Val Leu Lys Val Arg Glu Val Ala Lys Glu Ala Val Thr
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128 Arg Ala Arg Arg Gly Glu Gly Pro Thr Leu Val Glu Cys Glu Thr Tyr
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140 Ile Glu Lys Lys Ile Asp Glu Leu Val Glu Glu Ala Val Glu Phe Ala
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214           115          120          125
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217           130          135          140
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226           180          185          190
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323 Met Thr Val Arg Ser Lys Ile Arg Glu Ile Phe Met Pro Ala Leu Ser
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/685,296

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